

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		"4902610".pn. and (glass same fiber\$)	USPAT	OR	OFF	2001/08/31 08:58
		29/852.ccls. and (conduct\$ same peel\$)	USPAT	OR	OFF	2001/08/31 05:19
		("29"/\$.ccls. or "174"/\$.ccls. or 264/511.ccls.) and ((PWB) OR ((PRINTED ADJ WIRING ADJ BOARD)) OR (PCB) OR ((PRINTED ADJ CIRCUIT ADJ BOARD))) and flexibl\$ and mold\$ and deform\$	USPAT	OR	OFF	2001/08/24 08:21
		((PWB) OR ((PRINTED ADJ WIRING ADJ BOARD)) OR (PCB) OR ((PRINTED ADJ CIRCUIT ADJ BOARD))) and flexibl\$ and mold\$ and deform\$	USPAT	OR	OFF	2001/08/24 08:19
S1	231	269/903,289r,21,900.ccls. and deform\$	USPAT	OR	ON	2004/04/07 07:18
S2	8	("4047709"   "4088312"   "4936560"   "5152707"   "5157438"   "5551677"   "5794329"   "5984293").PN.	USPAT	OR	OFF	2004/04/07 07:28
S3	16	("1453176"   "2754708"   "2882771"   "4088312"   "4200272"   "4206910"   "4572564"   "4684113"   "4770455"   "4838531"   "4936560"   "5120033"   "5218753"   "5364083"   "5722646"   "5738345").PN.	USPAT	OR	OFF	2004/04/07 07:29
S4	62	"4088312".URPN.	USPAT	OR	OFF	2004/04/07 07:31

S5	28	("1684729"   "3590465"   "4003511"   "4047709"   "4088312"   "4200272"   "4684113"   "4685661"   "4691905"   "4723766"   "4771529"   "4934063"   "4970773"   "4979445"   "5121907"   "5163793"   "5172442"   "5338014"   "5364083"   "5372357"   "5457868"   "5546784"   "5590870"   "5659939"   "5722646"   "5829151"   "5901426"   "6202275").PN.	USPAT	OR	OFF	2004/04/07 07:32
S6	2	("5349735"   "5467517").PN.	USPAT	OR	OFF	2004/04/07 07:33
S7	8	"5901426".URPN.	USPAT	OR	OFF	2004/04/07 07:34
S8	21	("3116919"   "3460822"   "3787039"   "3800741"   "3804397"   "4006929"   "4088312"   "4146082"   "4184292"   "4221356"   "4403567"   "4470585"   "4491306"   "4656791"   "4684113"   "4700488"   "4723766"   "4770455"   "4805887"   "4838531"   "5120033").PN.	USPAT	OR	OFF	2004/04/07 07:36
S9	1	"6264187".URPN.	USPAT	OR	OFF	2004/04/07 07:43
S10	11	("4765531"   "5035034"   "5116031"   "5193733"   "5249726"   "5322207"   "5791549"   "5813590"   "5826778"   "5890644"   "5915749").PN.	USPAT	OR	OFF	2004/04/07 07:46
S11	3	("3442432"   "3887996"   "3998377").PN.	USPAT	OR	OFF	2004/04/07 07:55
S12	124	29/740.ccls. and test\$	USPAT	OR	ON	2004/04/07 08:49
S13	56385	((PWB) OR ((PRINTED ADJ WIRING ADJ BOARD)) OR (PCB) OR ((PRINTED ADJ CIRCUIT ADJ BOARD)))	USPAT	OR	OFF	2001/08/31 05:08
S14	1	("5277724").PN.	USPAT; USOCR	OR	OFF	2001/06/22 07:04

S15	50	("6131279" "5822856" "5993945" "6127025" "6178093" "6114019" "6138350" "6000129" "6022670" "5948533" "6110650" "6225028" "5462628" "5135779" "5027253" "6168898" "5176811" "5166037" "5953594" "6190759" "6207354" "6027858" "6211320" "6121358" "5718789" "5761801" "5928767" "5731086" "5126016" "5142775" "6015520" "6025057" "5129142" "5229550" "6090474" "5480503" "6204456" "5311660" "5153986" "5194713" "6136513" "6110823" "5374344" "5730922" "5409777" "5366846" "5691395" "6207583" "5643657" "5801432").pn.	USPAT	OR	OFF	2001/06/21 12:45
S16	16	("6131279" "5822856" "5993945" "6127025" "6178093" "6114019" "6138350" "6000129" "6022670" "5948533" "6110650" "6225028" "5462628" "5135779" "5027253" "6168898" "5176811" "5166037" "5953594" "6190759" "6207354" "6027858" "6211320" "6121358" "5718789" "5761801" "5928767" "5731086" "5126016" "5142775" "6015520" "6025057" "5129142" "5229550" "6090474" "5480503" "6204456" "5311660" "5153986" "5194713" "6136513" "6110823" "5374344" "5730922" "5409777" "5366846" "5691395" "6207583" "5643657" "5801432").pn. and organic and (via\$ or hole\$ or aperture\$) and sputter\$	USPAT	OR	OFF	2001/06/22 07:07

S17	18	("5599747" "6120693" "5858615" "5789757" "6187886" "6009620" "6212769" "5872051" "6165885" "6085415" "6048666" "6171468" "6195264" "6221694" "5917157" "4969979" "6201194" "5738731" "6025252" "6106734" "6137120" "6225668" "6177706" "5048178" "5284548" "5866237" "5935652" "5997997" "5126192" "5693364" "5869126" "6039889" "5895562" "6162726" "5833820" "5968333" "5972192" "5709906" "5874154" "5374454" "5730890" "5800858" "5679498" "6204453" "4697923" "6198634" "5873161" "6207351" "5198693" "5756147" ).pn. and organic and (via\$ or hole\$ or aperture\$) and sputter\$	USPAT	OR	OFF	2001/06/22 07:06
S18	868	((PWB) OR (PRINTED ADJ WIRING ADJ BOARD\$) OR (PCB) OR (PRINTED ADJ CIRCUIT ADJ BOARD\$)) and organic and (via\$ or hole\$ or aperture\$) and sputter\$	USPAT	OR	OFF	2001/06/22 05:49
S19	1348	((PWB) OR (PRINTED ADJ WIRING ADJ BOARD\$) OR (PCB) OR (PRINTED ADJ CIRCUIT ADJ BOARD\$)) and (polyimide or organic) and (via \$ or hole\$ or aperture\$) and sputter\$	USPAT	OR	OFF	2001/06/22 05:23
S20	12	("3356786"   "4179800"   "4535388"   "4554405"   "4581679"   "4598166"   "4863808"   "5097593"   "5209817"   "5268260"   "5354593"   "5461203").PN.	USPAT	OR	OFF	2001/06/22 05:50
S21	3	("3356786"   "4179800"   "4535388"   "4554405"   "4581679"   "4598166"   "4863808"   "5097593"   "5209817"   "5268260"   "5354593"   "5461203").PN. and organic	USPAT	OR	OFF	2001/06/22 06:36

S22	9	("4024030"   "4448636"   "4780177"   "4911785"   "5207865"   "5334487"   "5354593"   "5451721"   "5672760").PN.	USPAT	OR	OFF	2001/06/22 07:27
S23	132	(organic same (glass adj epoxy))	USPAT	OR	OFF	2001/06/22 07:43
S24	3	("4024030"   "4448636"   "4780177"   "4911785"   "5207865"   "5334487"   "5354593"   "5451721"   "5672760").PN. and organic	USPAT	OR	OFF	2001/06/22 06:48
S25	1	("4024030"   "4448636"   "4780177"   "4911785"   "5207865"   "5334487"   "5354593"   "5451721"   "5672760").PN. and organic and sputter\$	USPAT	OR	OFF	2001/06/22 06:49
S26	11	("5432015" "5679472" "5702565" "5634835" "5580668" "5907790" "5139642" "5550006" "4066809" "5171417" "6245696" "5280414" "5421507" "5239448" "6197614" "5727310" "5688584" "5502889" "6180523" "5274913" "6103135" "5283104" "4663186" "5830533" "6069068" "6130161" "5440805" "6218074" "5043244" "5565052" "5825565" "6060175" "4602318" "6165309" "5700607" "5928839" "6110643" "6242078" "5607744" "5614250" "5686172" "4902556" "5969422" "5214250" "6037096" "6042929" "5772451" "5158645" "5629838" "5888849").pn. and organic and (via\$ or hole\$ or aperture\$) and sputter\$ and laser	USPAT	OR	OFF	2001/06/22 07:10

S27	5	("5432015" "5679472" "5702565" "5634835" "5580668" "5907790" "5139642" "5550006" "4066809" "5171417" "6245696" "5280414" "5421507" "5239448" "6197614" "5727310" "5688584" "5502889" "6180523" "5274913" "6103135" "5283104" "4663186" "5830533" "6069068" "6130161" "5440805" "6218074" "5043244" "5565052" "5825565" "6060175" "4602318" "6165309" "5700607" "5928839" "6110643" "6242078" "5607744" "5614250" "5686172" "4902556" "5969422" "5214250" "6037096" "6042929" "5772451" "5158645" "5629838" "5888849").pn. and organic and (via\$ or hole\$ or aperture\$) and sputter\$ and laser and ((nd adj Yag) or excimer)	USPAT	OR	OFF	2001/06/22 07:12
S28	0	organic same (ultem adj polymeric)	USPAT	OR	OFF	2001/06/22 07:36
S29	30165	organic same polymeric	USPAT	OR	OFF	2001/06/22 07:29
S30	8131	organic near polymeric	USPAT	OR	OFF	2001/06/22 07:32
S31	10	organic near polyetherimide	USPAT	OR	OFF	2001/06/22 07:33
S32	389	organic same polyetherimide	USPAT	OR	OFF	2001/06/22 07:33
S33	2	organic same ultem same polymeric	USPAT	OR	OFF	2001/06/22 07:37
S34	69	organic same ultem	USPAT	OR	OFF	2001/06/22 07:37
S35	6629	organic same polyimide	USPAT	OR	OFF	2001/06/22 07:44
S36	525	(29/852).CCLS.	USPAT; USOCR	OR	OFF	2001/08/31 07:37
S37	0	29/852.ccls. and ((conductive adj (support or substrate)) same peel\$)	USPAT	OR	OFF	2001/08/31 05:18
S38	780	(29/846).CCLS.	USPAT; USOCR	OR	OFF	2001/08/31 07:38

S39	671	29/846.ccls. not 29/852.ccls.	USPAT	OR	OFF	2001/08/31 08:51
S40	1	"6212769".pn. and mask	USPAT	OR	OFF	2001/08/31 08:52
S41	148	chang-rick-kiltae.xa.	USPAT	OR	OFF	2001/08/31 08:53
S42	24	chang-rick-kiltae.xa. and laser	USPAT	OR	OFF	2001/08/31 08:58
S43	448	29/281.5.ccls.	USPAT	OR	OFF	2002/03/04 07:23
S44	184	29/281.4.ccls. not 29/281.5. ccls.	USPAT	OR	OFF	2002/03/04 07:23
S45	5	("5171002"   "5544872"   "5915678"   "6109840"   "6189876").PN.	USPAT	OR	OFF	2002/03/04 07:27
S46	5	("1198402"   "2504609"   "4142286"   "4567938"   "5544872").PN.	USPAT	OR	OFF	2002/03/04 07:29
S80	1	("6215320").PN.	USPAT	OR	OFF	2005/06/28 07:35
S81	21	("3739469"   "4912399"   "5144228"   "5162728"   "5225777"   "5336992"   "5439732"   "5629631"   "5665459"   "5742174"   "5949245").PN. OR ("6215320").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/28 07:35
S82	51	("3596228"   "4567433"   "4574235"   "4636722"   "4649339"   "4733172").PN. OR ("4912399").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/28 07:41
S83	24	("3795037"   "3806801"   "4189825"   "4312117"   "4585991"   "4912399"   "4916002"   "4961052"   "5012187"   "5055780"   "5073117"   "5172050"   "5225771"   "5513430"   "5531022"   "5559444"   "5611696"   "5841291"   "5878486"   "5977787"   "6068669"   "6084420"   "6202297"   "6482013").PN. OR ("6617865").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/28 07:48

S84	40	("3516077"   "3577131"   "3673433"   "3934236"   "4021790"   "4117543"   "4692839"   "4729166"   "4754546"   "4757256"   "4758785"   "4778950"   "4804132"   "4912399"   "4918383"   "4922192"   "4954873"   "4975638"   "4980637"   "5020219"   "5072176"   "5083697"   "5103557"   "5132613"   "5180977"   "5264787"   "5355079"   "5378982"   "5416429"   "5422574"   "5456404"   "5468157"   "5469072").PN. OR ("5847571").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/29 07:34
S85	1	("6,654,524").PN.	USPAT	OR	OFF	2005/06/29 07:34
S86	82	("3405361"   "3596228"   "3832632"   "3970934").PN. OR ("4636722").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 13:44
S87	87	("20010009061"   "20010030549"   "3401126"   "3429040"   "3541222"   "3596228"   "3634807"   "3654585"   "3680037"   "3806801"   "3839672"   "3862790"   "3971610"   "4027935"   "4038599"   "4184729"   "4581679"   "4636722"   "4636772"   "4649339"   "4663840"   "4707657"   "4793814"   "4827211"   "4837507"   "4906920"   "4912399"   "4916002"   "4918383"   "4922192"   "4975638"   "4980637"   "4987100"   "4991290"   "5020219"   "5059898"   "5061192"   "5069628"   "5097101"   "5126286"   "5133119"   "5134365"   "5145552"   "5148103"   "5172050"   "5180977"   "5207585"   "5225037"   "5293175"   "5313157"   "5326412"   "5355079"   "5367165"   "5389885"   "5395253"   "5412866"   "5453404"   "5506515"   "5517126"   "5521518"   "5532608"   "5537372"   "5584120"   "5589781"   "5623213"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 13:48



		"5623214"   "5720098"   "5723347"   "5742174"   "5813847"   "5814847"   "5869974"   "5876082"   "5896038"   "5914613"   "5926029"   "5973504"   "5974662"   "6059982"   "6114864"   "6174744"   "6256882"   "6268016"   "6351885").PN. OR ("6930498").URPN.				
S88	92	("5017738"   "5187020"   "5437556").PN. OR ("5974662").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 13:50
S89	1	("4,758,785").PN.	USPAT	OR	OFF	2006/02/08 10:27
S90	1	("6779257").PN.	USPAT	OR	OFF	2006/02/08 10:27
S91	59	("3596228"   "4567433"   "4574235"   "4636722"   "4649339"   "4733172").PN. OR ("4912399").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 12:11
S92	25	("3795037"   "3806801"   "4189825"   "4312117"   "4585991"   "4912399"   "4916002"   "4961052"   "5012187"   "5055780"   "5073117"   "5172050"   "5225771"   "5513430"   "5531022"   "5559444"   "5611696"   "5841291"   "5878486"   "5977787"   "6068669"   "6084420"   "6202297"   "6482013").PN. OR ("6771084").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 12:16
S93	6	("4912399"   "5563521"   "5741141"   "5847571"   "5990695"   "6060891").PN. OR ("6420886").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 15:35
S94	59	("3596228"   "4567433"   "4574235"   "4636722"   "4649339"   "4733172").PN. OR ("4912399").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 15:37
S95	20	("4636722"   "4820976"   "4906920"   "5180977").PN. OR ("5563521").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 15:37
S96	30	("4906920"   "4980637"   "5339027"   "5497103"   "5563521"   "5604446"   "5672977").PN. OR ("5825192").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 15:41

S97	13	("5172053"   "5399983"   "5525912"   "5804983"   "5825192"   "5982182"   "6137296"   "6166552"   "6297656"   "6441629").PN. OR ("6784678").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 15:45
S98	16	("5084671"   "5506498"   "5804983"   "5806181"   "5861759"   "5974662"   "6043668"   "6050829").PN. OR ("6441629").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 15:47
S99	15	("20030038647"   "20030080764"   "4772846"   "5180977"   "5642056"   "5804983"   "5861759"   "5974662"   "6377062"   "6441629"   "6498504"   "6507751"   "6600334"   "6624648"   "6677771").PN. OR ("7084651").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 15:48
S100	5	("5534784"   "6420888"   "6441621"   "6441629").PN. OR ("6525552").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 15:54
S101	14	("5422574"   "5642054"   "6104202"   "6166553").PN. OR ("6420888").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 15:55
S102	23	("4261762"   "4508161"   "5539676"   "5594357"   "5642056"   "5731708"   "5861759").PN. OR ("6043668").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 16:00
S105	1608	planarity and prob\$ and testing	USPAT	OR	ON	2007/03/29 16:02
S106	13	("5254939").PN. OR ("5525912").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 16:14
S107	13	("5172053"   "5399983"   "5525912"   "5804983"   "5825192"   "5982182"   "6137296"   "6166552"   "6297656"   "6441629").PN. OR ("6784678").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 16:19
S108	5	("4856904"   "5644245"   "6545458"   "6784678"   "6927587").PN. OR ("7119560").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 16:20
S109	6	("5825192"   "5949245"   "6072190"   "6114864"   "6307392").PN. OR ("6747465").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/29 16:27

S110	93	("3405361"   "3596228"   "3832632"   "3970934").PN. OR ("4636722").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/30 11:21
S111	1	"3159446".pn.	USPAT	OR	OFF	2007/03/30 11:22
S112	71	("3453545"   "3842346"   "3979671"   "3996516"   "4172993"   "4357575"   "4616406"   "4636722"   "4734872").PN. OR ("4820976").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/30 16:48
S113	97	("3405361"   "3596228"   "3832632"   "3970934").PN. OR ("4636722").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 22:44
S114	80	("3379937"   "3702982"   "3781683"   "3849728"   "3963986"   "4032058"   "4087747"   "4357062"   "4508405"   "4522893"   "4528500"   "4553192"   "4565314"   "4636722"   "4724383"   "4740410"   "4811081"   "4837622"   "4899099"   "4899106"   "4918032"   "4953834"   "4965865"   "4972580"   "4983907"   "4998885"   "5172050"   "5175491"   "5187020"   "5191708"   "5210939"   "5225777"   "5236118"   "5276395"   "5278442"   "5311405"   "5312456"   "5373627"   "5393375"   "5395253"   "5418471"   "5422574"   "5440231"   "5473510"   "5476211"   "5476818"   "5477160"   "5495667"   "5534784"   "5555422"   "5569272"   "5576630"   "5593322"   "5601740"   "5657207"   "5691650"   "5741144"   "5772451"   "5786701"   "5806181"   "5821763"   "5829128"   "5832601"   "5864946"   "5914614"   "5917707"   "5920200"   "5923178"   "5974662"   "5994152"   "5998864"   "6008543"   "6029344"   "6050829"   "6053395"   "6064213"   "6110823"   "6174744"   "6229324").PN. OR ("7215131").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 22:48

S115	61	("4906920"   "4912390"   "4918383"   "4922192"   "4975638"   "4980637").PN. OR ("5422574").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 22:52
S116	118	("4636722"   "4649339"   "4751457"   "4758785").PN. OR ("4906920").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:03
S117	54	("3405361"   "3810016"   "3832632"   "3851249"   "3866119"   "4035723"   "4161692"   "4574235"   "4585727"   "4588241"   "4636722"   "4673839"   "4697143"   "4749942"   "4751457"   "4758785"   "4764723"   "4829233"   "4829242"   "4891585"   "4894612"   "4899099"   "4904933"   "4906920"   "4912399"   "4918383"   "4943768"   "4975638"   "4980637"   "4998062"   "5030907"   "5053850"   "5061894"   "5191708"   "5198755"   "5221895"   "5355080"   "5414371"   "5416429"   "5489855"   "5491891"   "5506515"   "5528159"   "5557212"   "5565788"   "5621333"   "5724248"   "5880011"   "6046599"   "6091256"   "6343369"   "6496026"   "6622289").PN. OR ("6957405").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:08
S118	48	("4636722"   "4758785").PN. OR ("4980637").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:10
S119	4	("4918383"   "4980637"   "5914613"   "6507207").PN. OR ("7227369").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:11
S120	79	("3911361"   "4035723"   "4151465"   "4636722").PN. OR ("4918383").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:12
S121	21	("4899107"   "4918383"   "4926118"   "4935695"   "4987365"   "5094584"   "5180976").PN. OR ("5463325").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:15

S122	71	("3516077"   "3577131"   "3673433"   "3934236"   "4021790"   "4117543"   "4692839"   "4729166"   "4754546"   "4757256"   "4758785"   "4778950"   "4804132"   "4912399"   "4918383"   "4922192"   "4954873"   "4975638"   "4980637"   "5020219"   "5072176"   "5083697"   "5103557"   "5132613"   "5180977"   "5264787"   "5355079"   "5378982"   "5416429"   "5422574"   "5456404"   "5468157"   "5469072").PN. OR ("5623213").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:21
S123	67	("4891585"   "4912399").PN. OR ("4975638").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:23
S124	1	"4751457".pn.	USPAT	OR	OFF	2008/03/02 23:35
S125	37	("3996517"   "4660294").PN. OR ("4751457").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:37
S126	26	("3795037"   "3806801"   "4189825"   "4312117"   "4585991"   "4912399"   "4916002"   "4961052"   "5012187"   "5055780"   "5073117"   "5172050"   "5225771"   "5513430"   "5531022"   "5559444"   "5611696"   "5841291"   "5878486"   "5977787"   "6068669"   "6084420"   "6202297"   "6482013").PN. OR ("6617865").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:41
S127	12	("20040124861"   "4908571"   "5208993"   "5473254"   "5505005"   "5914613"   "6084420"   "6617865"   "6643944"   "6781382"   "6781392").PN. OR ("7053636").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:42
S128	13	("3787768"   "4063172"   "4471298"   "4686464").PN. OR ("4908571").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:44
S129	22	("3963985"   "3970934").PN. OR ("4063172").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:46

S130	109	("3710251"   "3949295"   "4574235"   "4636722"   "4697143"   "4727319"   "4799009"   "4904933"   "4912399"   "4922192").PN. OR ("5012187").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/02 23:54
S131	26	("3405361"   "4636723"   "4649339"   "4782289"   "4829241"   "4922192"   "5001422"   "5012187"   "5189363"   "5245277"   "5384531"   "5389885"   "5440231"   "5485096"   "5647756"   "5654127"   "5656943"   "5788526"   "6005401"   "6033235"   "6259263").PN. OR ("6690184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/03 00:25
S132	32	("3405361"   "4636723"   "4649339"   "4782289"   "4829241"   "4922192"   "5001422"   "5012187"   "5014161"   "5189363"   "5245277"   "5252916"   "5384531"   "5389885"   "5440231"   "5485096"   "5623214"   "5642054"   "5647756"   "5654127"   "5656943"   "5788526"   "5831444"   "5977784"   "6005401"   "6028437"   "6033235"   "6259263"   "6690184"   "6717422"   "6791171").PN. OR ("7141994").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/03 00:32
S133	57	("3445770"   "3810016"   "4585991"   "4649338"   "4649339").PN. OR ("4961052").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/03 00:35
S134	9	("4523144"   "4757256"   "4799009"   "4961052"   "5172050"   "5723347"   "6198297"   "6414501"   "6696849").PN. OR ("6956386").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/03 00:36
S135	102	("3493820"   "3795043"   "3888708"   "4180422"   "4189825").PN. OR ("4312117").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/03 00:42

S136	102	("20010012704"   "20010020747"   "20010054905"   "20020004320"   "20020132501"   "20030057975"   "3982159"   "4061969"   "4293175"   "4523144"   "4567433"   "4636722"   "4719417"   "4780670"   "4820976"   "4837622"   "4899099"   "4906194"   "4965865"   "4968931"   "4983907"   "4994735"   "5020219"   "5055778"   "5067007"   "5088190"   "5090118"   "5102343"   "5109596"   "5124639"   "5172050"   "5173055"   "5187020"   "5191708"   "5225777"   "5228861"   "5323107"   "5329226"   "5382898"   "5395253"   "5399982"   "5437556"   "5476211"   "5517126"   "5521518"   "5534784"   "5546405"   "5550482"   "5600257"   "5629137"   "5629631"   "5670889"   "5682064"   "5686842"   "5701666"   "5729150"   "5742170"   "5764072"   "5773986"   "5786701"   "5791914"   "5806181"   "5821763"   "5828226"   "5852871"   "5917707"   "5974662"   "5998228"   "6002266"   "6014032"   "6032356"   "6040700"   "6046597"   "6050829"   "6059982"   "6060891"   "6064213"   "6087840"   "6133744"   "6137296"   "6142789"   "6150830"   "6160412"   "6169409"   "6174744"   "6181567"   "6184053"   "6204455"   "6215320"   "6215321"   "6246250"   "6275052"   "6289583"   "6307392"   "6344752"   "6351134"   "6354844"   "6359455"   "6429029"   "6452407"   "6468098"   "6483328").PN. OR ("7195503").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/03 00:57
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S137	58	("2956258"   "2978666"   "3076166"   "3090026"   "3366916"   "3553021"   "3594707"   "3596228"   "3796986"   "3960424"   "4220389"   "4232928"   "4295700"   "4427250"   "4428640"   "4629270"   "4636018"   "4649339"   "4688151"   "4738637"   "4793814"   "4863395"   "4886461"   "4911643"   "4912772"   "4943242"   "4968265"   "5007842"   "5026290"   "5071357").PN. OR ("5102343").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/03 01:00
S138	97	("3401369"   "3405361").PN. OR ("3596228").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/03 01:02
S139	15	("3366916"   "3569905").PN. OR ("4220389").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/03 01:17
S140	34	("4906920"   "4980637"   "5339027"   "5497103"   "5563521"   "5604446"   "5672977").PN. OR ("5825192").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/03 01:43
S141	17	("2978666"   "3654585"   "3757219"   "3942778"   "4099120"   "4112364"   "4138186").PN. OR ("4427250").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/03 01:49
S142	12	("4918383"   "4980637"   "5148103"   "5264787"   "5355079"   "5461326").PN. OR ("5990695").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/05 06:22
S143	116	("3710251"   "3949295"   "4574235"   "4636722"   "4697143"   "4727319"   "4799009"   "4904933"   "4912399"   "4922192").PN. OR ("5012187").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 11:41



S144	27	("3795037"   "3806801"   "4189825"   "4312117"   "4585991"   "4912399"   "4916002"   "4961052"   "5012187"   "5055780"   "5073117"   "5172050"   "5225771"   "5513430"   "5531022"   "5559444"   "5611696"   "5841291"   "5878486"   "5977787"   "6068669"   "6084420"   "6202297"   "6482013").PN. OR ("6617865").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 11:42
S145	70	("3387365"   "3391451"   "3795043").PN. OR ("4189825").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 11:45
S146	4	("5012187"   "6559673").PN. OR ("6774662").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 11:57
S147	26	("3654585"   "4443756"   "4528500"   "4538104"   "4724383"   "4870354"   "4896107"   "4977370"   "5012187"   "5506510"   "5629630"   "5926029"   "5945834").PN. OR ("6147505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 12:03
S148	36	("3931574"   "4099120"   "4164704"   "4230985"   "4243289"   "4321533"   "4352061"   "4357062"   "4574236").PN. OR ("4977370").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 12:05
S149	28	("4523144"   "4799009"   "4994735"   "5012187"   "5148103"   "5525912"   "5623214"   "5642054").PN. OR ("5818249").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 12:12
S150	7	("4649339"   "4799009"   "4961052"   "5291127"   "5623214"   "5818249"   "5982184").PN. OR ("7355421").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 12:13
S151	70	("3835381"   "3911361").PN. OR ("4523144").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 12:19

S152	66	("3405361"   "3493858"   "3568831"   "3810016"   "3826984"   "3838984"   "4065717"   "4523144"   "4574235"   "4649338"   "4649339"   "4673839"   "4677474"   "4733172"   "4758785"   "4814855"   "4820976"   "4835846"   "4839587"   "4843645"   "4873563"   "4912399"   "4961052"   "4975638"   "4998062"   "5038195"   "5064706").PN. OR ("5189363").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 12:30
S153	57	("3411125"   "3731191"   "3781681"   "3835381"   "3905098"   "3944922"   "3952410"   "4035723"   "4045737"   "4099119"   "4116523"   "4123706"   "4151465"   "4161692"   "4164704"   "4177425"   "4267506"   "4321532"   "4476433"   "4480223"   "4523144"   "4593243"   "4623839"   "4636722"   "4649339"   "4812745"   "4827211"   "4847553").PN. OR ("5066907").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/18 12:39
S154	1	"20050283974".pn.	US-PGPUB	OR	OFF	2009/11/18 12:55

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